FILE 'REGISTRY' ENTERED AT 14:21:47 ON 13 MAR 2009 L1 STRUCTURE UPLOADED 15 S L1 363 S L1 SSS FULL

FILE 'HCAPLUS' ENTERED AT 14:23:00 ON 13 MAR 2009

L3 4 S L3

L4

L2

=> file registry COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE TOTAL ENTRY SESSION 0.22

0.22

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STRUCTURE FILE UPDATES: 11 MAR 2009 HIGHEST RN 1119363-64-2 DICTIONARY FILE UPDATES: 11 MAR 2009 HIGHEST RN 1119363-64-2

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

Uploading C:\Program Files\STNEXP\Queries\10525197generic6.str

7 19 20 21 22 23 24 27 28 29 30 31 32 33 34

chain nodes :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS 20:CLASS 21:CLASS

22:CLASS 23:CLASS 24:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS

32:CLASS 33:CLASS 34:CLASS

L1 STRUCTURE UPLOADED

=> s 11

SAMPLE SEARCH INITIATED 14:22:12 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 28 TO ITERATE

100.0% PROCESSED 28 ITERATIONS

15 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
PROJECTED ITERATIONS: 243 TO 877
PROJECTED ANSWERS: 68 TO 532

L2 15 SEA SSS SAM L1

=> d 12 scan

L2 15 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN

IN L-Alanine, N-[3-[3-methyl-4-[[3-(1-methylethyl)-5-[(2,3,4,6-tetra-O-acetyl-β-D-glucopyranosyl)oxy]-1H-pyrazol-4-yl]methyl]phenoxy]-1-oxopropyl]-, phenylmethyl ester

MF C41 H51 N3 O14

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

- L2 15 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
- IN β-D-Galactopyranoside, 4-[[4-[3-[(2-hydroxyethyl)amino]propoxy]-2methylphenyl]methyl]-5-(1-methylethyl)-1H-pyrazol-3-yl
- MF C25 H39 N3 O8

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- L2 15 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
- IN β -Alanine, N2-[3-[4-[[3-(β -D-glucopyranosyloxy)-5-(1methylethyl)-1H-pyrazol-4-yl]methyl]-3-methylphenoxy]propyl]-L- α
 - asparaginyl-N-(phenylmethyl)-, phenylmethyl ester (9CI) C44 H57 N5 O11
- MF

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- L2 15 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
- $\label{eq:local_energy} \mbox{IN} \quad \mbox{Benzenebutanamide, N-[3-[bis(2-hydroxyethyl)amino]propyl]-4-[[3-(\beta-D-model)amino]propyl]-4-[3-(\beta-D-model)amino]propyl]-4-[3-(\beta-D-model)amino]propyl]-4-[3-(\beta-D-model)amino]propyl]-4-[3-(\beta-D-model)amino]propyl]-4-[3-(\beta-D-model)amino]propyl]-4-[3-(\beta-D-model)amino]propyl]-4-[3-(\beta-D-model)amino]propyl]-4-[3-(\beta-D-model)amino]propyl]-4-[3-(\beta-D-model)amino]propyl]-4-[3-(\beta-D-model)amino]propyl]-4-[3-(\beta-D-model)amino]propyl]-4-[3-(\beta-D-model)amino]propyl]-4-[3-(\beta-D-model)amino]propyl]-4-[3-(\beta-D-model)amino]propyl]-4-[3-(\beta-D-model)amino]propyl]-4-[3-(\beta-D-model)amino]propyl]-4-[3-(\beta-D-model)amino]propyl]-4-[3-(\beta-D-model)amino]propyl]-4-[3-(\beta-D-model)amino]propyll-4-[3-(\beta-D-model)amino]propyll-4-[3-(\beta-D-model)amino]propyll-4-[3-(\beta-D-model)amino]propyll-4-[3-(\beta-D-model)amino]propyll-4-[3-(\beta-D-model)amino]propyll-4-[3-(\beta-D-model)amino]propyll-4-[3-(\beta-D-model)amino]propyll-4-[3-(\beta-D-model)amino]propyll-4-[3-(\beta-D-model)amino]propyll-4-[3-(\beta-D-model)amino]propyll-4-[3-(\beta-D-model)amino]propyll-4-[3-(\beta-D-model)amino]propyll-4-[3-(\beta-D-model)amino]propyll-4-[3-(\beta-D-model)amino]propyll-4-[3-(\beta-D-model)amino]propyll-4-[3-(\beta-D-model)amino]pro$
- glucopyranosyloxy)-5-(1-methylethyl)-1H-pyrazol-4-yl]methyl]-MF C30 H48 N4 O9

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s 11 sss full

FULL SEARCH INITIATED 14:22:49 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 671 TO ITERATE

100.0% PROCESSED 671 ITERATIONS SEARCH TIME: 00.00.01

363 ANSWERS

363 SEA SSS FUL L1

=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST

186.36 186.58

FILE 'HCAPLUS' ENTERED AT 14:23:00 ON 13 MAR 2009 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 13 Mar 2009 VOL 150 ISS 12 FILE LAST UPDATED: 12 Mar 2009 (20090312/ED)

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13 L4 4 L3

=> d 14 1-4 ti abs bib hitstr

- ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2009 ACS on STN
- ΤI Preventive or remedy for diseases caused by hyperglycemia
- AB It is intended to provide a medicinal composition containing as the active ingredient a selective SGLT1 inhibitor (for example, an SGLT1 inhibitor substantially showing no GLUT2 and/or GLUT5 inhibitory effect) which exerts a sugar absorption inhibitory effect over a wide range, also has a hypoglycemic effect caused by fructose intake in usual diet and thus can show an outstanding hypoglycemic effect and which is appropriate as a preventive or a remedy for diseases caused by hyperglycemia (for example, diabetes, impaired glucose tolerance, diabetic complications or obesity).
- 2004:486406 HCAPLUS <<LOGINID::20090313>> AN
- DN 141:47334
- TT Preventive or remedy for diseases caused by hyperglycemia
- Ito, Fumiaki; Shibazaki, Toshihide; Tomae, Masaki; Fushimi, Nobuhiko;

Isaji, Masayuki Kissei Pharmaceutical Co., Ltd., Japan PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DT Patent LA Japanese FAN.CNT 1

PA

PATENT NO. KIND DATE APPLICATION NO. DATE ----_____ WO 2003-JP15503 WO 2004050122 A1 20040617 20031204 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,

CA 2003-2507665 20031204 CA 2507665 A1 20040617 AU 2003289156 A1 20040623 AU 2003-289156 20031204 EP 1568380 EP 2003-777222 A1 20050831 20031204 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK CN 1744916 20060308 CN 2003-80109504 Α 20031204 US 20060035844 A1 20060216 US 2005-537495 20050603 IN 2005-DN2385 TN 2005DN02385 Α 20070105 20050603

PRAI JP 2002-352201 A 20021204 WO 2003-JP15503 W 20031204

IT 705445-35-8P, 3-(β-D-Glucopyranosyloxy)-4-[[4-(2-quanidinoethoxy)-2-methylphenyl]methyl]-5-indolyl-1H-pyrazole

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(SGLT1 inhibitors as preventives or remedies for diseases caused by hyperglycemia)

RN 705445-35-8 HCAPLUS CN Guanidine, [2-[4-[[3-

Guanidine, [2-[4-[[3-(β-D-glucopyranosyloxy)-5-(1H-indol-1-yl)-1Hpyrazol-4-yl]methyl]-3-methylphenoxy]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

AB The title compds. [I; R = each (un)substituted C3-8 cycloalkyl, C6-10 aryl, C2-9 heterocycloalkyl, or C1-9 heteroaryl; R1 = H, each (un)substituted C1-6 alkyl, C2-6 alkenyl, C2-6 alkynyl, C3-8 cycloalkyl, C6-10 aryl, C2-9 heterocycloalkyl, or C1-9 heteroaryl; one of C0 and T0 = α- or β-D-glucopyranosyloxy or -mannopyranosyloxy or β-D-deoxyglucopyranosyloxy- and the other = (CH2)nAr; wherein Ar = each (un)substituted C6-10 aryl or C1-9 heteroaryl; n = an integer of 0-2] or pharmacol. acceptable salts or prodrugs thereof are prepared Also disclosed are medicinal composition containing the compound I, medicinal use thereof.

ΙI

and intermediates in producing the same. These compds. exerts an excellent effect of inhibiting human 1,5-anhydroglucitol/fructose/mannose transporters and inhibit reabsorption or cellular uptake of glucose, fructose, and mannose in kidney or absorption of these saccharide small intestine and inhibit the increase in blood sugar. Therefore, they are useful as preventives, progress inhibitors or remedies for a disease caused by the over intake of at least one saccharide selected from among glucose, fructose, and mannose or a disease caused by hyperglycemia (diabetic complication, diabetes, or diabetic nephropathy). Thus, glycosidation of 1-isopropy1-5-(4-methoxypheny1)-4-[(4-methoxypheny1)methy1]-1,2-dihydro-3H-pyrazol-3-one by acetobromo-α-D-glucose in the presence of benzyltributylammonium bromide in a mixture of CH2C12 and 5 N aqueous NaOH at room temperature for

1.5 h followed by treatment of the product with NaOMe in MeOH gave 3-(B-D-glucopyranosyloxy)-1-isopropyl-5-(4-methoxyphenyl)-4-[(4-methoxyphenyl)methyl]-1H-pyrazole (II). II in vitro inhibited the uptake of [140]methyl a-D-glucopyranoside in COS-7 cells transfected with human SMINIT/PMEIS-FL expression plasmid with IC50 of 92 nM.

AN 2004:311011 HCAPLUS <<LOGINID::20090313>>

DN 140:321649

Preparation of pyrazolyl glycoside derivatives as inhibitors of 1,5-anhydroglucitol/fructose/mannose transporters

IN Fujikura, Hideki; Kikuchi, Norihiko; Tazawa, Shigeki; Yamato, Tokuhisa; Isaji, Masayuki

PA Kissei Pharmaceutical Co., Ltd., Japan

SO PCT Int. Appl., 159 pp.

									APPLICATION NO.										
PI		2004031203																	
		W:	ΑE,	AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,	
			CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,	GE,	
			GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KR,	KZ,	LC,	LK,	LR,	
			LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NI,	NO,	NZ,	OM,	
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		RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	AZ,	BY,	
			KG,	KZ,	MD,	RU,	TJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,	
			FI,	FR,	GB,	GR,	HU,	IE,	IT,	LU,	MC,	NL,	PT,	RO,	SE,	SI,	SK,	TR,	
			BF,	ΒJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG	
							CA 2003-2500873												
	AU	2003	2729	03					0423	AU 2003-272903									
	EP 1550668						EP 2003-753967												
		R:						ES,										PT,	
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							US 2005-529895					20050919							
PRAI	JP 2002-293090 JP 2002-330694																		
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						W		2003	0930										
os		MARPAT 140:321649																	
IT	678994-69-9P 678994-70-2P 678994-71-3P RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU																		
			euti	c us	e);	BIOL	(Bi	stu	study); PREP (Preparation); USES										
	(Us	es)																	
		(preparation of pyrazolyl glycoside derivs. as inhibitors of 1,5-anhydroglucitol/fructose/mannose transporters and preventives,																	
																		s,	

- 1,5-anhydroglucitol/fructose/mannose transporters and preventives, progress inhibitors or remedies for diabetic complication, diabetes, or diabetic nephropathy
- RN 678994-69-9 HCAPLUS
- CN Acetamide, 2-[4-[[3-(β-D-glucopyranosyloxy)-5-(4-methoxyphenyl)-1-(1-methylethyl)-1H-pyrazol-4-yl]methyl]-3-methoxyphenoxyl- (CA INDEX NAME)
- L4 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2009 ACS on STN
- TI Preparation of 4-benzylpyrazolyl glucopyranosides and galactopyranoside derivatives as sodium-glucose cotransporter (SGLT1) inhibitors, medicinal composition containing the same, medicinal use thereof, and intermediate for production thereof

AB Pyrazole derivs, represented by the general formula (I) [R1 = H, C1-6 alkvl, C2-6 alkenvl, hvdroxv-C2-6 alkvl, C3-7 cvcloalkvl, C3-7 cycloalkyl-C1-6 alkyl, each (un) substituted aryl or aryl-C1-6 alkyl; one of Q and T = Q1 or Q2 and the other = C1-6 alkyl, halo-C1-5 alkyl, C1-6 alkoxy-C1-6 alkyl, C3-7 cycloalkyl; R2 = H,halo, OH, C1-6 alkyl, C1-6 alkoxy, C1-6 alkylthio, halo-C1-6 alkyl, halo-C1-6 alkoxy, C1-6 alkoxy-C1-6 alkoxy, C3-7 cycloalkyl-C2-6 alkoxy, etc.; X = a single bond, O, S; Y = optionally hydroxy-substituted C1-6 alkylene or C2-6 alkenylene; Z = RB, CORC, SO2RC, CO(RD)RE, SO2NHRF, C(:NRG)N(RH)RI; wherein RC = each (un) substituted aryl, heteroaryl, or C1-6 alkyl; R4, RB, RD, RE, RF = H, each (un)substituted aryl, heteroaryl, or C1-6 alkyl; NR4RB or NRDRE together forms (un) substituted C2-6 cyclic amino; RG, RH, RI = H, (un) substituted C1-6 alkyl, etc.; R3, R5, R6 = H, halo, C1-6 alkyl, C1-6 alkoxy] or pharmacol. acceptable salts thereof are prepared These compds. have excellent human SGLT1 inhibitory activity and are useful as preventives or therapeutic agents for diseases attributable to hyperglycemia such as diabetes, impaired glucose tolerance, fasting blood sugar abnormality, complications of diabetes, obesity, hyperinsulinemia, hyperlipidemia, hypercholesteremia, hypertriglyceridemia, lipid metabolism disorder, atherosclerosis, hypertension, ischemic heart failure, edema, hyperuricemia, and gout and for diseases attributable to an increased blood galactose level such as galactosemia. For example, 3-(β-D-glucopyranosyloxy)-4-[[4-[3-[3-(2-hydroxy-1,1dimethylethyl)ureido[propoxy]-2-methylphenyl]methyl]-5-isopropyl-1Hpyrazole in vitro inhibited the uptake of [14C]methyl a-D-glucopyranoside in CHO-K1 cells expressing human SGLT1 with IC50 of 19 nM. For another example, 3-(β-D-glucopyranosyloxy)-4-[[4-(2guanidinoethoxy)-2-methylphenyl]methyl]-5-isopropyl-1H-pyrazole at 1 mg/kg p.o. lowered the serum glucose concentration from 303±63 (control) to 165±17 mg/dL after 1 h in rats with streptozotocin-induced diabetes. ΑN 2004:182896 HCAPLUS <<LOGINID::20090313>>

DN 140:236000

- TI Preparation of 4-benzylpyrazolyl glucopyranosides and galactopyranoside derivatives as sodium-glucose cotransporter (SGLT1) inhibitors, medicinal composition containing the same, medicinal use thereof, and intermediate for production thereof
- IN Fushimi, Nobuhiko; Shimizu, Kazuo; Yonekubo, Shigeru; Teranishi, Hirotaka; Tomae, Masaki; Isaji, Masayuki
- PA Kissei Pharmaceutical Co., Ltd., Japan
- SO PCT Int. Appl., 270 pp.

CODEN: PIXXD2

IN 2007DN07100 A 20071012 IN 2007-DN7100 PRAI JP 2002-324076 A 20021107			
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, G GM, HR, HU, ID, II, IN, IS, JP, KE, KG, KR, KZ, LC, L LT, LU, LV, MA, MD, MG, MK, MM, MM, MX, MZ, NI, NO, N PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, T TT, TZ, UA, UG, US, US, UY, VN, YU, ZA, ZM, ZM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SG, SK, SL, SY, TJ, T FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, S BF, BJ, CF, CG, CI, CM, GA, GH, GQ, CM, ML, MR, NE, S JP 2004137245 Al 20040313 CA 2496329 Al 2003262263 Al 20040311 Al 20040314 Al 2003262263 Al 20040314 Al 2003362264 Al 200506129 BP 2003-192760 CN 1688597 Al 20050705 CN 16088597 Al 20050705 CN 100413878 C 20080827 CA 200500149 Al 200502129 Al 200502129 Al 200502129 Al 200502129 Al 200500129 Al 200500129 Al 2005001411 Al 200500129 Al 200500129 Al 2005001411 Al 200500129 Al 2005001411 Al 200500129 Al 2005001401 Al 200500129 Al 2005001401 Al 200500129 Al 2005001411 Al 200500129 Al 2005001401 Al 200500129 Al 2005001401 Al 2			
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
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(preparation of benzylpyrazolyl glucopyranosides and galactopyranosides as sodium-glucose cotransporter (SGLT1) inhibitors for prevention or treatment of diseases attributable to hyperglycemia or galactosemia)

CN β-D-Glucopyranoside, 4-[[4-(3-aminopropoxy)phenyl]methyl]-5-(1-methylethyl)-1H-pyrazol-3-yl, 2,3,4,6-tetraacetate (CA INDEX NAME)

L4 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2009 ACS on STN

666841-86-7 HCAPLUS

TI Preparation of pyrazolyl glucopyranoside and galactopyranoside derivatives inhibitors of human sodium-glucose cotransporter 1 (SGLT1), medicinal composition containing the same, medicinal use thereof, and intermediate for production thereof

RN

Pyrazoles derivs, represented by the general formula (I) [R1 = H, C1-5 alkvl, C2-5 alkenvl, hvdroxv-C2-5 alkvl, C3-7 cvcloalkvl, C3-7 cycloalkyl-C1-6 alkyl (un)substituted aryl or aryl-C1-6 alkyl; one of Q and T = Q1, Q2 and the other = C1-5 alkyl, halo-C1-6 alkyl, C1-6 alkoxy-C1-6 alkyl, C3-7 cycloalkyl; R2 = H, halo, OH, C1-6 alkyl, C1-6 alkoxy, C1-6 alkylthio, halo-C1-6 alkyl, halo-C1-6 alkoxy, C1-6 alkoxy-C1-6 alkoxy, C3-7 cycloalky1-C2-6 alkoxy, etc.; X = a single bond, O, S; Y = a single bond, C1-6 alkylene, C2-6 alkenylene; Z = CO, SO2; R4, R5 = H, (un)substituted C1-6 alkyl; or NR4R5 together forms an (un) substituted C2-6 cyclic amino; R3, R6, R7 = H, halo, C1-6 alkyl, C1-6 alkoxy] or pharmacol. acceptable salts thereof or prodrug of either are prepared These compds. have excellent human SGLT1 inhibitory activity and are useful as preventives or therapeutic agents for (1) diseases attributable to hyperglycemia such as diabetes, impaired glucose tolerance, complications of diabetes, obesity, hyperinsulinemia, hyperlipidemia, hypercholesteremia, hypertriglycemia, lipid metabolism disorder, atherosclerosis, hypertension, ischemic heart failure, edema, hyperuricemia, or gout and (2) diseases attributable to high level of galactose, galactosemia. For example, $3-(\beta-D-glucopvranosvloxv)-4-[[4-[3-[2-hvdroxv-1,1$ bis(hydroxymethyl)ethylcarbamoyl]propyl]phenyl]methyl]-5-isopropyl-1Hpyrazole at 1 mg/kg p.o. lowered blood glucose in diabetic rats from 297±35 to 178±19 mg/dL in 1 h. AN 2004:143172 HCAPLUS <<LOGINID::20090313>>

DN 140:199632

ΤТ Preparation of pyrazolyl glucopyranoside and galactopyranoside derivatives inhibitors of human sodium-glucose cotransporter 1 (SGLT1), medicinal composition containing the same, medicinal use thereof, and intermediate for production thereof

Teranishi, Hirotaka; Fushimi, Nobuhiko; Yonekubo, Shigeru; Shimizu, Kazuo; ΙN Shibazaki, Toshihide; Isaji, Masayuki

PA Kissei Pharmaceutical Co., Ltd., Japan

SO PCT Int. Appl., 215 pp.

CODEN: PIXXD2

DT Pat.ent.

LA

Japanese FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE PΤ WO 2004014932 Δ1 20040219 WO 2003-JP10048 20030807

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(preparation of pyrazolyl glucopyranoside and galactopyranoside derivs. inhibitors of human sodium-glucose cotransporter I (SGLTI) for preventives or therapeutics for diseases related to hyperglycemia or galactosemia)

RN 661479-26-1 HCAPLUS

RN 0014/3-20-1 MCHFBUS CH Benzenebutanamide, N-(2-amino-2-oxoethyl)-4-[[3-(β-D-glucopyranosyloxy)-5-(1-methylethyl)-1H-pyrazol-4-yl]methyl]- (CA INDEX NAME)